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So 3 Wat Cop. 2 WATER SUPPLY OUTLOOK FOR IDAHO



U. S. DEPARTMENT of AGRICULTURE * SOIL CONSERVATION SERVICE

Collaborating with

IDAHO DEPARTMENT OF WATER RESOURCES

MAR. 1, 1977

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SNOW COURSE MEASUREMENTS BY A SURVEY TEAM IN UTAH'S WASATCH RANGE.

ORC-254-10

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| STATE | ADDRESS |
|--------------------|--|
| Alaska | Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504 |
| Arizona | Room 3008, 6029 Federal Building, Phoenix, Arizona 85025 |
| Colorado (N. Mex.) | P. O. Box 17107, Denver, Colorado 80217 |
| Idaho | Room 345, 304 N. 8th. St., Boise, Idaho 83702 |
| Montana | P.O. Box 98, Bozeman, Montana 59715 |
| Nevada | P. O. Box 4850, Reno Nevada 89505 |
| Oregon | 1220 S.W. Third Ave., Portland, Oregon 97204 |
| Utah | 4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 841 38 |
| Washington | 360 U.S. Court House, Spokane, Washington 99201 |
| Wyoming | P. O. Box 2440, Casper, Wyoming 82602 |

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

WATER SUPPLY OUTLOOK FOR IDAHO

and . FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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WASHINGTON, D.C.

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You may have less Irrigation water this year than ever before.

SNOW COURSE MEASUREMENTS MADE ON MARCH 1, 1977 CONTINUE TO INDICATE THAT MANY AREAS WILL HAVE SEVERE TO CRITICAL WATER SHORTAGES. STUDY THE ATTACHED WATER SUPPLY FORECAST CAREFULLY FOR STREAM FLOW AND/OR RESERVOIR STORAGE FIGURES THAT CONCERN YOUR AREA. KEEP IN TOUCH WITH YOUR IRRIGATION DISTRICT OR OTHER OFFICIALS FOR ESTIMATES OF THE SUPPLY AVAILABLE FOR YOU. YOU MAY FIND YOU'LL NEED TO CHANGE CROPS, PLANTED ACREAGE, TIMING OF WATER APPLICATION OR EFFICIENCY OF YOUR WATER DISTRIBUTION SYSTEM. THESE ARE SOME OF THE EARLY DECISIONS AND PLANS YOU MAY HAVE TO MAKE:

- 1. Change to crops which require less water.
- 2. Reduce the crop acreage. Naturally, this will affect the fertilizer you order and the amount of seed you buy. Be sure unplanted land has cover crops to prevent wind erosion.
- 3. Check out your irrigation systems carefully. Make certain that ditches have no water-wasting weeds or debris to slow delivery; that sprinkler heads don't have leaks, pipes have tight connections and pumps work properly. If new parts or equipment are needed, purchase them soon.
- 4. Plant only the best land it makes most efficient use of water. If your soil has been mapped, local Soil Conservation Service personnel can guide you. If not mapped, they can still give you general information.
- 5. Maintain close contact with the Soil Conservation Service or your local Conservation District for the latest water supply forecasts, and for soil information. SCS has just published water conservation TIPS pamphlets for irrigators, farmers and ranchers. Get copies.
- 6. Maintain close contact with the Agricultural Stabilization and Conservation Service county office. Funds for cost sharing on special water stretching practices may be made available because of the drought situation. ASCS also administers the Federal Disaster Assistance program.
- 7. Do the same with your closest Farmers Home Administration office. Special loans may become available.
- 8. Do the same with the local Cooperative Extension Service office for current information on crops, feed supply and marketing.

SCS, ASCS AND FMHA ARE LISTED IN THE PHONE BOOK UNDER "U.S. GOVERNMENT, AGRICULTURE, DEPARTMENT OF." THE EXTENSION SERVICE IS USUALLY LISTED WITH LOCAL COUNTY OFFICES.



WATER SUPPLY OUTLOOK for IDAHO







GENERAL SUMMARY FOR MARCH 1, 1977

A critically low water supply is the outlook for Idaho during 1977. Record low seasonal flows are projected for rivers and streams throughout the state. Streamflow forecasts vary from a low of 10% of average for the Bear River drainage to 60% of normal for the Henry's Fork of the Snake River at Ashton. Many small streams, for which numerical forecasts are not made, can be expected to produce well below average flow and some may even dry up before the end of the season.

Snowpack accumulation during February was negligible with little or no change from the extremely deficient situation existing on February 1. Normally 85 to 90% of the snowpack has accumulated on the major watersheds by March 1 and maximum snowpack is present on many smaller and lower elevation streams. Water equivalent of the snowpack as of March 1 varies from 5% of average on the Palouse River watershed to 45% of normal on the Bruneau River drainage.

Valley precipitation during February continued below normal throughout Idaho and accumulated water-year precipitation reached about 32% of average by March 7. Temperatures averaged generally near normal during the month.

Soils are extremely dry and can be expected to absorb a significant amount of water when the snow melts. The shallow snowpack in many areas will be absorbed by the soil with little or no surface runoff resulting from snowmelt.

Streamflow throughout the state has decreased significantly during the winter months and all streams were below, to well below normal flows as of March 1.

In general, stored water in irrigation reservoirs was near average as of March 1. However, due to possible early drafting for irrigation and low runoff forecasts, some reservoirs are not expected to fill in 1977.

It is apparent water supplies for irrigation will be reduced and possibly curtailed entirely in late season even where reservoir facilities are adequate. Water users irrigating by direct stream diversion where reservoirs are not present can expect critical shortage with little or no late season water.

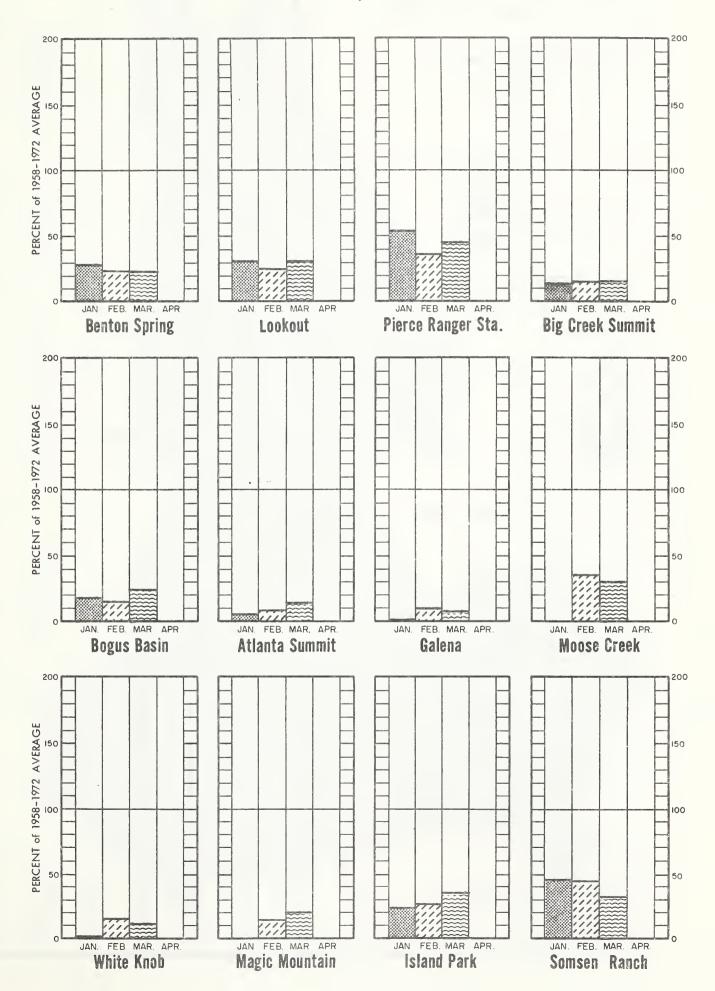
Efficient management and conservation of water should be exercised by farmers, ranchers and other water users in 1977.

SNOW WATER DEPTHS ACCUMULATION

For Selected Snow Courses

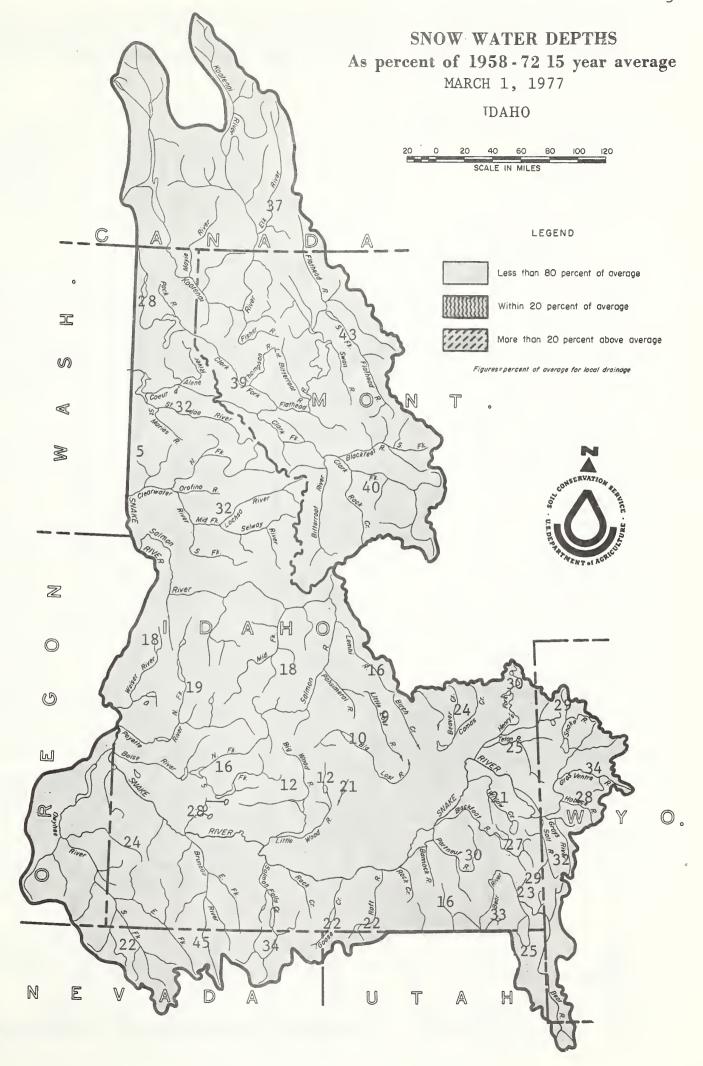
As Compared To 1958-1972 15 Yr. Average

MARCH 1, 1977



COMPARISON of SNOW COVER

| RIVER BASIN WATERSHED | NO.OF COURSES | | SNOW WATER |
|---|--|--|---|
| RIVER BASIN WAILASTILD | AVERAGED | LAST YEAR | 1958-72 AVERAGE |
| UPPER COLUMBIA RIVER BASIN | | | |
| Kootenai River Pend Oreille River Clark Fork River Flathead River Priest River Spokane River | 40 72 34 21 4 12-13 | 36 36 33 46 33 32 | 37 39 40 43 28 32 |
| LOWER SNAKE RIVER BASIN | | | |
| Palouse River Clearwater River Salmon River Lemhi River | 5 17-20 22 6 | 4 30 16 13 | 5 32 18 16 |
| MIDDLE SNAKE RIVER BASIN - Northside | | | |
| Little Lost River Big Lost River Fish Creek Little Wood River Big Wood River Canyon Creek Boise River Payette River Weiser River Mann Creek | 5 7-9 2 4 10 1 14-15 12 2-6 4 | 11 16 22 17 14 15 17 22 25 | 9 10 21 12 12 28 16 19 18 |
| MIDDLE SNAKE RIVER BASIN - Southside | | | |
| Raft River Goose-Trapper Creeks Salmon Falls Creek Bruneau River Owyhee River Jordan Creek | 7-8 3 10 5 5 2 | 23 21 33 41 23 25 | 22 22 34 45 22 24 |
| UPPER SNAKE RIVER BASIN | | | |
| Snake Basin - Wyoming Camas-Beaver Creeks Henrys Fork River Teton River Willow Creek Blackfoot River Portneuf River | 31 2 10-11 2-11 5-9 3-4 4 | 25 28 26 24 18 25 25 | 31 24 30 25 21 27 30 |
| GREAT BASIN | | | |
| Bear River Montpelier Creek Mink Creek Cub River Malad River | 23 4 7 2-4 4-6 | 22 24 27 14 | 25 23 24 33 16 |

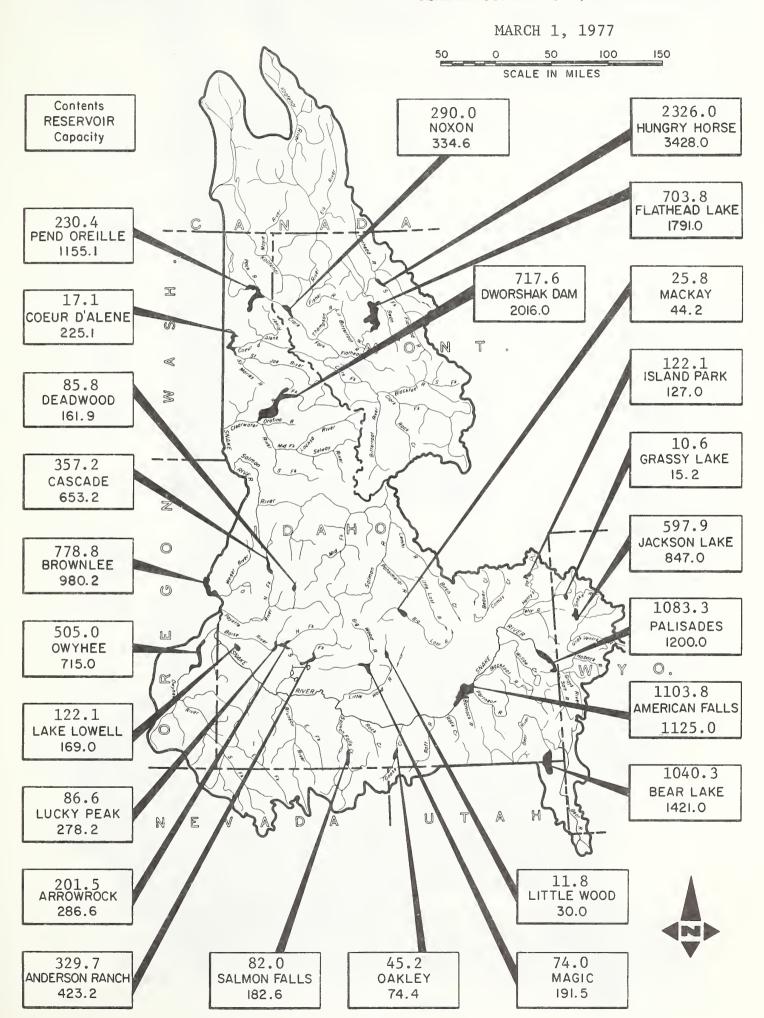


RESERVOIR STORAGE (1,000 Ac. Ft.)

| | | ME | ASURED (First of Mo | nth) |
|---------------------------|-----------------|-----------|---------------------|--------------------------|
| RESERVOIR | USABLE CAPACITY | THIS YEAR | LAST YEAR | 1958 ~ 72 AVERAGE |
| UPPER COLUMBIA BASIN | | | | |
| OFFER COLUMBIA BASIN | | | | |
| Clark Fork - Pend Oreille | | | | |
| Hungry Horse | 3428.0 | 2326.0 | 2570.0 | 2329.0 |
| Flathead | 1791.0 | 703.8 | 925.5 | 1009.0 |
| Pend Oreille | 1155.1 | 230.4 | 498.6 | 457.0 |
| Noxon | 334.6 | 290.0 | 261.8 | 300.6 |
| Spokane | | | | |
| Coeur d'Alene | 225.1 | 17.1 | 130.0 | 162.3 |
| SNAKE BASIN | | | | |
| SNAKE DASIN | | | | |
| Snake | | | | 500.0 |
| Jackson Lake | 847.0 | 597.9 | 633.2 | 533.3 |
| Palisades | 1200.0 | 1083.3 | 904.5 | 809.0 |
| American Falls | 1125.0 | 1103.8 | 963.9 | 789.1 |
| Island Park | 127.0 | 122.1 | 98.5 | 113.5 10.3 |
| Grassy Lake | 15.2 | 10.6 | 11.0 | 451.1* |
| Brownlee | 980.2 | 778.8 | 487.4 | 431.1 |
| Goose-Trapper Creeks | 7// | 45.2 | 47.5 | 19.3 |
| Oakley | 74.4 | 43.2 | 47.5 | 19.5 |
| Salmon Falls Creek | 182.6 | 82.0 | 111.8 | 34.5 |
| Salmon Falls | 102.0 | 02.0 | 111.0 | 34.3 |
| Big Lost Mackay | 44.2 | 25.8 | 28.2 | 31.9 |
| Big Wood | 77.2 | 23.0 | | |
| Magic | 191.5 | 74.0 | 135.0 | 103.5 |
| Little Wood | | | | |
| Little Wood | 30.0 | 11.8 | 20.5 | 15.5 |
| Fish Creek | | | | |
| Carey Valley | 14.4 | 5.5 | 7.0 | |
| Boise | | | | |
| Anderson Ranch | 423.2 | 329.7 | 258.3 | 237.6 |
| Arrowrock | 286.6 | 201.5 | 273.5 | 247.9 |
| Lucky Peak | 278.2 | 86.6 | 67.3 | 89.2 |
| Lake Lowell (Deer Flat) | 169.0 | 122.1 | 142.5 | 132.0 |
| <u>Owyhee</u> | 715.0 | 505.0 | 671.4 | 451.2 |
| Owyhee | 715.0 | 505.0 | 0/1.4 | 471.2 |
| Payette | (52.2 | 357.2 | 393.0 | 325.9 |
| Cascade | 653.2 161.9 | 85.8 | 97.0 | 78.8 |
| Deadwood | 101.9 | 05.0 |),,,, | , , , , |
| Weiser Mann Creek | 11.1 | 3.2 | 6.2 | |
| Clearwater | 11.1 | 3.2 | | |
| Dworshak | 2016.0 | 717.6 | 512.5 | |
| DWO L DITALL | | | | |
| GREAT BASIN | | | | |
| Bear | | | | |
| Bear Lake | 1421.0 | 1040.3 | 1049.4 | 958.3 |
| Deal Lake | 1,21.0 | | | |
| | | | | |
| *Period of Record. | | 1 | | |

RESERVOIR STORAGE

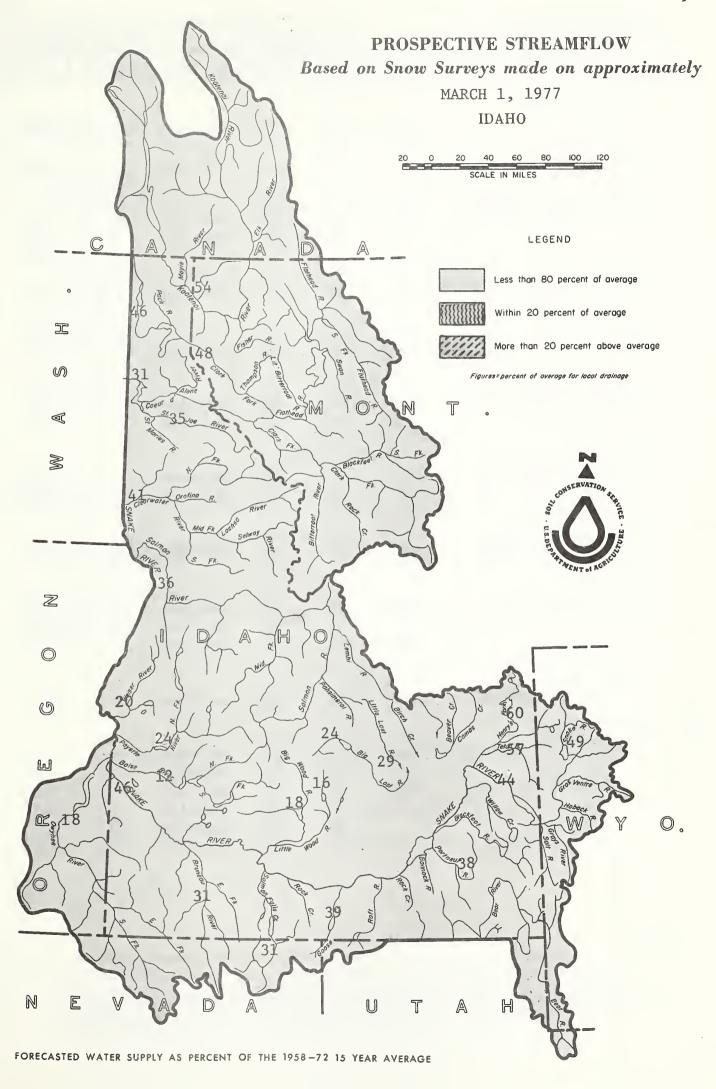
USABLE CONTENTS (1,000 Acre Feet)



| STREAMFLOW FORECASTS | | | THIS YEA | R | PAST | RECORD |
|-------------------------------------|------------|-----------------------|-----------------------|----------|-----------|-----------|
| | | | CAST C | FORECAST | THOUSAND | ACRE FEET |
| BASIN, STREAM and/or FORECAST POINT | | Thousand Acre Feet | Percent of Average | PERIOD | Last Year | Average + |
| | UPPER | COLUMBIA | BASIN | | | |
| KOOTENAI RIVER | | | | | | |
| Leonia | (at) | 4900 | 54 | Apr-Sep | | 9073 |
| | | 4200 | 53 | Apr-Jul | | 7957 |
| | | 3450 | 54 | Apr-Jun | es es | 6431 |
| PEND OREILLE RIVER | | | | | | |
| Clark Fork River | | | | | | |
| Whitehorese Rapids | (at) | 6800 | 48 | Apr-Sep | | 14083 |
| | | 6160 | 48 | Apr-Jul | | 12852 |
| | | 5300 | 48 | Apr-Jun | | 11092 |
| Priest River $1/$ | (nr) | 400 | 46 | Apr-Jul | | 879 |
| SPOKANE RIVER | | | | | | |
| Post Falls 2/ | (at) | 915 | 31 | Apr-Sep | | 3008 |
| St. Joe River | | | | | | |
| Calder | (at) | 470 | 35 | Apr-Sep | | 1345 |
| | | 460 | 36 | Apr-Jul | | 1277 |
| | | | | | | |
| | SNAK | E RIVER E | BASIN | | | |
| SNAKE RIVER - MAIN STEM | | | | | | |
| Moran 3/ | (nr) | 420 | 49 | Apr-Sep | | 858 |
| Palisades Inflow 3/ | () | 1200 | 46 | Apr-Sep | | 3714 |
| Heise 4/ | (nr) | 1750 | 44 | Apr-Sep | | 3946 |
| Blackfoot 5/ | (nr) | 2000 | 48 | Apr-Jul | | 4173 |
| Weiser | (at) | 3000 | 46 | Apr-Sep | | 6524 |
| Henrys Fork | | | | | | |
| Ashton 6/ | (nr) | 400 | 60 | Apr-Sep | | 671 |
| Rexburg 7/ | (nr) | 750 | 55 | Apr-Sep | | 1364 |
| Teton River | | | | | | |
| St. Anthony | (nr) | 250 | 57 | Apr-Sep | | 442 |

⁽c) Assuming normal meteorological conditions. 1/Observed flow corrected for storage in Priest Lake.
2/Observed flow corrected for storage in Coeur d'Alene Lake 3/Corrected for storage in Jackson Lake.
4/Corrected for storage in Jackson Lake and Palisades. 5/Corrected for storage in Jackson Lake, Palisades,
Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/Corrected for storage
in Henry's Lake and Island Park Reservoir. 7/Corrected for storage in Henry's Lake, Island Park, Grassy Lake
and diversions between Ashton and Rexburg.

+ 1958-1972 period.



| TREAMFLOW FORECASTS | | | THIS YEA | PAST RECORD | | |
|-------------------------------------|----------|-----------------------|-----------------------|--------------------|-------------------|------------|
| | | | ECAST C | FORECAST | FORECAST THOUSAND | |
| BASIN, STREAM and/or FORECAST POINT | | Thousand Acre Feet | Percent of Average | PERIOD | Last Year | Average + |
| Portneuf River | | | | | | |
| Topaz | (at) | 35 | 38 | Mar-Sep | | 93 |
| Dakley Reservoir Inflow | | 11.5 | 39 | Mar-Sep | | 29.5 |
| Salmon Falls Creek | | | | | | |
| San Jacinto | (nr) | 26 | 31 | Mar-Sep | | 84 |
| | | 24 | 30 | Mar-Jul | | 80 |
| Bruneau River | | | | | | |
| Hot Springs | (nr) | 70 | 31 | Mar-Sep | | 226 |
| Little Lost River | | | | | | |
| Howe | (nr) | 12 | 29 | Apr-Sep | | 41 |
| Big Lost River | | | | | | |
| Howell Ranch | (at) | 50 | 24 | Apr-Sep | | 208 |
| Mackay $1/$ | (nr) | 40 | 22 | Apr-Sep | | 183 |
| Big Wood River | | 5.5 | 1.0 | A | | 201 |
| Magic Reservoir | | 55 60 | 18 19 | Apr-Sep Mar-Jul | | 301 310 |
| Inflow <u>2</u> / | | 00 | ΤJ | Mal-Jul | | 310 |
| Little Wood River | (- 1.) | 1 5 | 1.6 | Amer Com | | 94 |
| High Five Creek | (ab) | 15 | 16 | Apr-Sep | | 94 |
| Boise River | (n m) | 90 | 12 | Apr-Sep | | 720 |
| Twin Springs | (nr) | 85 | 13 | Apr-Jul | | 665 |
| Boise 3/ | (nr) | 195 | 12 | Apr-Sep | | 1612 |
| | | | | | | |
| South Fork Anderson Dam 4/ | (at) | 75 | 12 | Apr-Sep | | 603 |
| _ | , , | | | • | | |
| Owyhee River | () | 2 | 17 | Λην. T1 | | 18 |
| Gold Cr., Nev. <u>5</u> / | (nr) | 3 5 | 17 22 | Apr-Jul Mar-Jul | | 23 |
| Orryhaa Nay 5/ | (nr) | 12 | 18 | Apr-Jul | | 68 |
| Owyhee, Nev. $5/$ | (111) | 16 | 20 | Mar-Jul | | 81 |
| Lake Owyhee | | 60 | 18 | Apr-Sep | 510 | 332 |
| net inflow 6/ | | 102 | 20 | Mar-Jul | 631 | 431 |

⁽c) Assuming normal meteorological conditions. 1/Observed flow corrected for storage in Mackay Reservoir 2/Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/Corrected for storage in Arrow-rock, Anderson Ranch and Lucky Peak. 4/Corrected for storage in Anderson Ranch Reservoir. 5/Corrected for storage in Wild Horse Reservoir. 6/From U.S.B.R. records of inflow. + 1958-1972 period.

| STREAMFLOW FORECASTS | | THIS YEA | PAST RECORD | | | |
|--|--------------|-----------------------|-----------------------|--------------------|-----------|------------|
| _ | | FORE | CAST | FORECAST | THOUSAND | ACRE FEET |
| BASIN, STREAM and/or FORECAST PO | NT | Thousand Acre Feer | Percent of Average | PERIOD | Last Year | Average + |
| Payette River Horseshoe Bend 1/ | (nr) | 440 | 24 | Apr-Sep | | 1850 |
| North Fork Cascade 3/ Banks 3/ | (at) (nr) | 135 175 | 24 24 | Apr-Sep Apr-Sep | | 562 730 |
| Weiser River Weiser ab. Crane Creek 4/ | | 102 | 20 | Mar-Sep | | 511 |
| Salmon River Whitebird | (at) | 2500 | 36 | Apr-Sep | | 6959 |
| Clearwater River Spalding | (at) | 3500 | 41 | Apr-Sep | | 8605 |
| | <u>G</u> | REAT BAS | IN | | | |
| BEAR RIVER Harer | (at) | 30 | 10 | Apr-Sep | 0000 CEED | 297 |
| Montpelier Creek Montpelier | (nr) | 2 | 16 | Apr-Sep | | 12.4 |
| Cub River Preston | (nr) | 10 | 20 | Apr-Sep | | 50.0 |

⁽c) Assuming normal meteorological conditions. 1/Corrected for storage in Cascade and Deadmond Reservoirs. 2/Corrected for storage in Deadwood Reservoir. 3/Corrected for storage in Cascade Reservoir. 4 Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. + 1958-1972 period.

VALLEY PRECIPITATION $\underline{1}/$ Division Averages and Departures

In Inches

| DRAINAGE | | nter ry 1977 | Fall - Winter Nov. 76 - Feb. 77 | | |
|-------------------------|------|-----------------|------------------------------------|--------------|--|
| DIVISIONS | | Departure 2/ | | Departure 2/ | |
| Kootenai, Canada & U.S. | 1.19 | -0.76 | 4.71 | -6.94 | |
| Flathead | 0.71 | -1.03 | 3.65 | -5.55 | |
| Clark Fork | 0.33 | -0.94 | 2.50 | -4.28 | |
| Pend Oreille-Spokane | 0.95 | -1.89 | 5.62 | -9.40 | |
| Upper Snake | 0.46 | -1.39 | 2.66 | -5.93 | |
| Snake River Plain | 0.29 | -0.49 | 0.79 | -3.51 | |
| Salmon-Payette-Boise | 0.58 | -1.17 | 1.67 | -8.39 | |
| Clearwater | 1.21 | -1.66 | 5.61 | -9.31 | |
| Owyhee-Malheur | 0.39 | -0.46 | 1.30 | -3.52 | |

 $[\]frac{1}{}$ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

^{2/} Departure from 15-year (1958-1972) drainage division average.

UPPER COLUMBIA RIVER BASIN

| | 1 210 0020 | 110111 1111 | | | | |
|---|--|---|--|-----------------------------------|--|--|
| PEND OREILLE - PRIEST RIVER | | | | | | |
| Benton Meadow Benton Spring #Mosquito Ridge (A) Schweitzer Bowl Schweitzer Ridge | 2370 4900 5110 4500 6100 | 2/24 2/24 3/6 2/25 2/25 | 6 16 48 29 36 | 1.6 4.1 13.3 8.2 11.5 | 4.6 11.2 33.8 20.8 40.0 | 6.1 17.4 34.7* 27.8* 39.9* |
| HAYDEN LAKE | | | | | | |
| Chilco Ridge Conie Ridge Corner Creek Sage Creek Saddle | 3650 3900 3150 4100 | 2/23 2/23 2/23 2/23 | 6 8 13 24 | 1.4 1.6 3.2 5.2 | 9.2 10.4 9.4 18.0 | |
| SPOKANE RIVER | | | | | | |
| Above Burke Copper Ridge #Forty-nine Meadows Fourth of July Summit Granite Peak Kellogg Peak (A) Lookout #Lost Lake Lower Sands Creek Medicine Ridge Mosquito Ridge (A) Roland Summit (A) Sherwin Sherwin (SP) Sunset (A) | 4100 4800 4880 3200 6000 5560 5120 6000 3400 5920 5110 5200 3200 3200 5600 | 2/24 2/22 3/5 2/23 3/5 3/6 2/24 3/5 3/6 3/6 2/24 2/24 3/6 | 36 29 33 10 46 33 36 60 23 54 48 36 13 62 | | 22.6 25.3 24.8 11.4 36.0 28.8 31.2 49.0 17.8 39.8 33.8 31.6 15.8 ———————————————————————————————————— | 25.7 28.4* 7.3* 37.7* 32.4 51.3* 17.5 38.5* 34.7* 31.3* 13.8* 33.7* |
| | LOWER SN | AKE RIVE | R BASI | N | | |
| PALOUSE RIVER | | | | | | |
| Crumarine Creek East Twin Howard Creek Moscow Mountain West Twin | 3340 4050 3500 4400 4250 | 2/25 | 0 2 0 9 | 0.0 0.4 0.0 2.2 0.0 | 11.9 14.2 8.0 18.7 12.2 | 7.8* 11.1 4.5* 15.3 9.4 |

| DRAINAGE BASIN and/or SNOW COURSE | | Date | Snow Depth | Water Content | Water Conte | nt (inches) |
|-----------------------------------|--------------|------------|-------------|---------------|-------------|----------------|
| NAME | Elevation | of Survey | (Inches) | (Inches) | Last Year | Average 6 |
| | | | | -~- | | |
| CLEARWATER RIVER | | | | | | |
| CLEARWAILK KIVLK | | | | | | |
| Breezy Saddle | 5000 | 3/5 | 35 | 7.7 | | - |
| Cayuse Airstrip | 3700 | 3/5 | 18 | 4.7 | 13.0 | 11.7 |
| Cottonwood Butte | 5140 | 2/25 | 10 | 2.0 | 14.7 | |
| Crater Meadows | 6100 | 3/5 | 65 | 16.3 | 39.2 | 40.9* |
| Crooked Fork | 3600 | 2/28 | 24 | 4.9 | 15.5 | 12.9* |
| Elk Butte | 5550 | 3/5 | 49 | 11.8 | 34.7 | 35.0* |
| Fish Lake Airstrip | 5000 | 3/5 | 57 | 12.4 | 38.8 | 37.3 |
| Forty-nine Meadows | 4880 | 3/5 | 33 | 6.6 | 24.8 | 28.4* |
| Goat Lake | 6600 | 3/5 | 64 | 14.5 | 42.0 | 43.8* |
| #Granite Peak | 6000 | 3/5 | 46 | 10.2 | 36.0 | 37.7* |
| Hemlock Butte | 5500 | 3/5 | 62 | 15.9 | 46.2 | 42.8* |
| #Hoodoo Basin Mont. | 6000 | 3/1 | 58 | 14.8 | 48.6 | 46.1 |
| | 6000 | 3/1 | | 14.0 | 47.2 | |
| | 5900 | 3/1 | 51 | 12.2 | 45.5 | 43.2 |
| | 5240 | 2/28 | 40 | 8.3 | 32.9 | 28.5 |
| Lolo Pass | 6000 | 3/5 | 60 | 15.1 | 49.0 | 51.3* |
| Lost Lake | 5300 | 2/25 | 14 | 3.1 | 22.1 | _ _ |
| Lower Snowhaven | 5920 | 3/5 | 54 | 11.8 | 39.8 | 38.5* |
| #Medicine Ridge | | 3/3 3/7 | 26 | 7.0 | 20.3 | 14.3 |
| #Nez Perce Pass Mont. | 6575 | • | 16 | 4.6 | 13.4 | 10.3 |
| Pierce Ranger Station | 3170 | 2/28 | 37 | 8.0 | 30.9 | 24.3 |
| Savage Pass | 6170 | 2/28 | | | 24.8 | 24.5* |
| Shanghai Summit | 4600 | 3/5 | 34 | 8.3 | 20.3 | 24.5" |
| Upper Snowhaven | 5600 | 2/25 | 11 | 2.8 | 20.3 | |
| CATMON DIVIED | | | | | | |
| SALMON RIVER | | | | | | |
| Die Gerale Committe | 6600 | 2/25 | 25 | 4.6 | 34.0 | 31.4 |
| Big Creek Summit | 8250 | 2/28 | 0 | 0.0 | 6.1 | |
| Borah (A) | 5500 | 3/1 | | 3.7 | | 21.8* |
| #Boulder Creek | | 2/25 | | 5.9 | | 42.2* |
| Brundage Mountain | 7560 7000 | 3/2 | 28 | 5.5 | 41.6 | 40.4* |
| #Deadwood Summit | 7000 | | | 0.3 | 8.1 | |
| Doublespring Pass (A) | 8400 | 2/28 | | 2.8 | 18.9 | 20.6 |
| #Galena Summit | 8795 | 2/28 | | | 24.1 | 20.5 |
| #Gibbons Pass Mont. | 7100 | 2/23 | 24 | 5.2 | 20.1 | |
| Leatherman Pass (A) | 9800 | | | | 11.2 | 7.9 |
| #Lemhi Pass Mont. | 7480 | 2/25 | | 2.5 | | 8.9 |
| *#Lemhi Ridge Mont. | 8100 | 2/25 | 15 | 2.9 | 13.6 | |
| Mill Creek Summit | 8870 | 2/28 | 16 | 2.6 | 23.2 | 20.3* |
| Moose Creek | 6200 | 3/1 | 24 | 4.6 | 18.6 | 15.2 |
| Morgan Creek | 7580 | 2/28 | 12 | 2.0 | 14.9 | 12.6* |
| Redfish Lake Flat | 6570 | 3/1 | 11 | | 12.9 | 8.7* |
| #Rock Flat Summit | 5200 | 2/25 | | | 17.2 | 16.2 |
| #Secesh Summit | 6520 | 2/26 | | 5.6 | 32.3 | |
| #Squaw Meadow | 5800 | 2/26 | | 5.7 | 32.3 | |
| Twin Peaks (A) | 10300 | 2/28 | | | 26.2 | |
| Vienna Mine | 8960 | 3/2 | 31 | 5.3 | | 32.2 |
| Williams Creek Summit | 7800 | 2/28 | 14 | 2.5 | 14.8 | 11.0 |

THIS YEAR

PAST RECORD

| SNOW | | | THIS YEAR | Y | PAST R | ECORD | |
|-----------------------------------|-----------|-----------|------------|---------------|------------------------|-----------|--|
| DRAINAGE BASIN and/or SNOW COURSE | | Date | Snow Depth | Water Content | Water Content (inches) | | |
| NAME | Elevation | of Survey | | | Last Year | Average 6 | |
| Lemhi River | | | | | | | |
| Above Gilmore | 8200 | 2/28 | 7 | 1.0 | 9.5 | 8.6* | |
| Aspen-Hall Pass (A) | 8110 | 2/28 | 12 | 2.4 | 12.8 | 7.7* | |
| Copes Camp | 7500 | 2/28 | 9 | 1.3 | 8.6 | 6.6* | |
| Hall Creek | 7560 | 2/28 | 3 | 0.3 | 6.0 | 4.8* | |
| Meadow Lake | 9100 | 2/28 | 13 | 2.6 | 17.2 | 17.1* | |
| Schwartz Lake (A) | 8500 | 2/28 | 8 | 1.6 | 15.6 | 11.0* | |

MIDDLE SNAKE RIVER BASIN - NORTHSIDE

| LITTLE LOST RIVER | | | | | | |
|---|--|--|--|---|--|---|
| Fairview Guard Station Lost Garfield Moonshine Sawmill Canyon Wet Creek Summit | 6750 6600 7450 6900 7600 | 2/24 2/24 2/24 2/24 2/24 | 0 0 8 6 7 | 0.0 0.0 1.1 1.1 0.9 | 4.0 4.0 8.6 5.8 7.0 | 4.5 3.8 9.8 7.4 10.9 |
| BIG LOST RIVER | | | | | | |
| Bear Canyon Copper Basin Fishpole Lake Iron Bog Leadbelt #Leatherman Pass (A) Lost-Wood Divide Stickney Mill White Knob | 7920 7650 9350 7650 6800 9800 7900 7500 7700 | 3/2 3/2 3/2 2/23 2/23 2/28 3/2 3/2 2/25 | 10 0 15 9 8 16 15 8 6 | 1.6 0.0 3.1 1.2 1.4 2.6 2.6 0.9 0.9 | 8.8 5.2 11.0 9.2 5.2 20.1 16.3 6.3 5.9 | 16.3 8.6 13.8* 9.0* 20.5 8.4 8.4* |
| FISH CREEK | | | | | | |
| Iron Mine Creek Telfer Ranch | 6370 6000 | 2/25 2/25 | 12 6 | 2.3 1.3 | 9.2 7.0 | 9.7 7.7 |
| LITTLE WOOD RIVER | | | | | | |
| #Bear Canyon Garfield Ranger Station Muldoon Swede Peak | 7920 6554 6300 7650 | 3/2 3/2 3/1 3/1 | 10 6 6 14 | 1.6 1.0 0.9 2.3 | 8.8 7.4 5.9 11.3 | 16.3 10.0 7.8 15.4 |
| BIG WOOD RIVER | | | | | | |
| Camas Creeks Divide #Couch Summit Dollarhide Summit Galena Galena Summit Graham Ranch #Lost-Wood Divide Mascot Mine Mount Baldy Soldier Ranger Station #Vienna Mine | 5720 6950 8620 7300 8795 6200 7900 7900 9000 6100 8960 | 2/26 2/25 3/2 2/28 2/28 2/28 3/2 3/2 2/28 2/25 3/2 | 6 12 15 8 15 7 15 10 12 3 | 1.5 2.1 2.6 1.4 2.8 1.2 2.6 1.5 2.3 0.8 5.3 | 16.0 17.8 14.7 18.9 9.6 16.3 9.5 15.2 10.7 27.8 | 16.9* 20.7 17.2 20.6 12.4 20.5 12.1 18.0 11.2 32.2 |

| SNOW | | | THIS YEAR | | PAST RECORD | | |
|-----------------------------------|-----------|-------------------|------------------------|---------------------------|-------------------------|-----------|--|
| DRAINAGE BASIN and/or SNOW COURSI | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Cont Last Year | Average 6 | |
| NAME | Elevation | | | | Last fear | Average | |
| CANYON CREEK | | | | | | | |
| Bennett Mountain | 6650 | 2/26 | 16 | 4.4 | | 15.5 | |
| Camas Creeks Divide | 5720 | 2/26 | 6 | 1.5 | | *** | |
| Little Camas Flat | 4950 | 2/26 | 2 | 0.4 | 8.9 | *** | |
| BOISE RIVER | | | | | | | |
| Atlanta Summit | 7500 | 3/4 | 22 | 4.3 | | 30.2 | |
| Bad Bear | 5500 | 2/28 | 9 | 1.9 | 17.0 | 13.1 | |
| #Bennett Mountain | 6650 | 2/26 | 16 | 4.4 | | 15.5 | |
| Bogus Basin | 6120 | 2/28 | 23 | 4.8 | 21.7 | 20.7 | |
| Bogus Basin Road | 5360 | 2/28 | 6 | 1.3 | 8.2 | 5.4 | |
| Camas Creeks Divide | 5720 | 2/26 | 6 | 1.5 | | | |
| Couch Summit | 6950 | 2/25 | 12 | 2.1 | 16.0 | 16.9 | |
| Deadman Gulch | 5600 | 2/27 | 21 | 4.0 | 17.0 | 14.0 | |
| Dollarhide Summit | 8620 | 3/2 | 15 | 2.6 | 17.8 | 20.7 | |
| Graham Guard Station | 5690 | 3/2 | 9 | 2.6 | 16.8 | - | |
| Jackson Peak | 7000 | 3/2 | 24 | 5.0 | 28.2 | 27.2 | |
| Little Camas Flat | 4950 | 2/26 | 2 | 0.4 | 8.9 | 00.00 | |
| Moores Creek Summit | 6100 | 2/28 | 26 | 4.0 | 35.8 | 28.5 | |
| Prairie | 4900 | 2/28 | 4 | 0.8 | 9.5 | 5.3 | |
| Road Creek | 5550 | 3/4 | 8 | 1.6 | | 9.2 | |
| #Soldier Ranger Station | 6100 | 2/25 | 3 | 0.8 | 10.7 | 11.2 | |
| Trinity Mountain | 7780 | 3/4 | 21 | 4.5 | 33.5 | 37.8 | |
| #Vienna Mine | 8960 | 3/2 | 31 | 5.3 | 27.8 | 32.2 | |
| PAYETTE RIVER | | | | | | | |
| #Big Creek Summit | 6600 | 2/25 | 25 | 4.6 | 34.0 | 31.4 | |
| Bogus Basin | 6120 | 2/28 | 23 | 4.8 | 21.7 | 20.7 | |
| Brundage Mountain | 7560 | 2/25 | | 5.9 | 43.2 | 42.2 | |
| Cozy Cove | 5400 | 3/2 | 18 | 3.5 | 60 00 | 15.1 | |
| Crawford Ranger Station | 4800 | 2/27 | 9 | 1.6 | 7.4 | 7.7 | |
| Deadman Gulch | 5600 | 2/27 | 21 | 4.0 | 17.0 | 14.0 | |
| Deadwood Airstrip | 5440 | 3/2 | 20 | 3.8 | 14.1 | 14.5 | |
| Deadwood Summit | 7000 | 3/2 | 28 | 5.5 | 41.6 | 40.4 | |
| High Valley Summit | 5170 | 3/3 | 23 | 3.1 | 14.8 | | |
| #Jackson Peak | 7000 | 3/2 | 24 | 5.0 | 28.2 | 27.2 | |
| Lake Fork | 6000 | 2/26 | 20 | 3.6 | 17.2 | 14.1 | |
| Rock Flat Summit | 5200 | 2/25 | | 3.4 | 17.2 | 16.2 | |
| Secesh Summit | 6520 | 2/26 | | 5.6 | 32.3 | | |
| Squaw Meadow | 5800 | 2/26 | | 5.7 | 32.3 | 31.1 | |
| Tripod Summit | 5200 | 3/3 | 25 | 3.6 | 21.4 | 15.8 | |
| WEISER RIVER | | | | | | | |
| Boulder Creek | 5500 | 3/1 | 21 | 3.7 | 21.6 | 21.8 | |
| Placer Creek | 6000 | 2/25 | 14 | 3.0 | 14.8 | 15.9 | |
| | | | | | | | |

| SNOW | | THIS YEAR | PAST RECORD | | | |
|----------------------------|-----------|-----------|------------------------|---------------|------------------------|-----------|
| DRAINAGE BASIN and/or SNOW | COURSE | Date | Snow Depth (Inches) | Water Content | Water Content (inches) | |
| NAME `. | Elevation | of Survey | | (Inches) | Last Year | Average 6 |
| MANN CREEK | | | | | | |
| Mann Creek | 6080 | 2/27 | 20 | 4.2 | 17.5 | - |
| Robinson Creek Ridge | 6220 | 2/27 | 14 | 3.3 | 12.6 | tim tim |
| Sturgill Ridge | 6800 | 2/27 | 18 | 5.2 | 19.8 | - |
| Thorson Cabin | 5320 | 2/27 | 13 | 2.8 | 12.9 | |

THIS YEAR PAST RECORD

DRAINAGE BASIN and/or SNOW COURSE

Date of Survey

NAME

Elevation

THIS YEAR

PAST RECORD

Water Content (Inches)

Last Year

Average 6

MIDDLE SNAKE RIVER BASIN - SOUTHSIDE

| · | | | | | | | |
|--|------------------------------|--|---|---|--|---|--|
| RAFT RIVER | | | | | | | |
| Boy Scout Camp Clear Creek Meadows George Peak Howell Canyon One Mile Summit Sheep Hollow Sublett Summit Springs | Utah Utah Utah | 7760 9050 9000 8000 7330 6200 6000 6400 | 2/25 2/25 2/25 2/28 2/25 2/25 2/25 2/25 | 19 27 20 19 6 16 21 | 2.7 3.9 3.5 3.6 0.9 2.5 2.6 | 11.0 14.4 18.8 23.1 4.0 5.9 10.3 11.0 | 13.2* 18.2* 22.2 6.8* 5.6* 9.9 9.7* |
| GOOSE-TRAPPER CREEKS | | | | | | | |
| Badger Gulch Bostetter Ranger Stati Vi Pont | Lon | 6660 7500 7670 | 2/25 2/25 2/25 | 13 22 20 | 2.1 2.9 4.0 | 10.9 17.2 15.5 | 10.1 17.5 12.7* |
| SALMON FALLS CREEK | | | | | | | |
| #Bear Creek Cedar Creek Deadline #Fox Creek Goat Creek #Hummingbird Springs Magic Mountain #Pole Creek R. S. Shoshone Basin Wilson Creek | Nev. Nev. Nev. | 7800 7000 6900 6800 8800 8945 6700 8330 5740 7500 | 3/5 3/5 2/25 3/5 3/5 3/5 2/25 3/5 2/25 3/5 | 38 12 16 21 28 33 17 35 5 | 8.6 2.5 3.0 4.8 6.0 7.0 3.3 7.9 0.6 3.7 | 18.8 8.5 19.4 10.4 14.7 19.4 16.0 18.8 7.8 8.8 | 17.3 8.8 19.9 9.3 16.0 19.5 16.2 16.8 4.2 11.4* |
| BRUNEAU RIVER | | | | | | | |
| Bear Creek Fox Creek Hummingbird Springs Pole Creek R. S. #Seventy-six Creek OWYHEE RIVER | Nev. Nev. Nev. Nev. | 7800 6800 8945 8330 7100 | 3/5 3/5 3/5 3/5 3/5 | 38 21 33 35 18 | 8.6 4.8 7.0 7.9 4.3 | 18.8 10.4 19.4 18.8 12.2 | 17.3 9.3 19.5 16.8 10.0* |
| Antelope Ridge Battle Creek (A) #Bear Creek Bull Basin (A) #Fox Creek Hyde Pasture (A) Mud Flat Red Canyon (A) | Nev. | 5900 5700 7800 5600 6800 5800 5500 6650 | 2/26 3/4 3/5 3/4 3/5 3/4 2/26 3/4 | 2 1 38 2 21 4 2 | 0.2 0.1 8.6 0.2 4.8 0.4 0.4 | 5.6 3.4 18.8 1.7 10.4 3.4 5.6 | 6.1* 2.9 17.3 1.1* 9.3 4.9 5.4 5.9* |

| SNOW | | | THIS YEAR PAST REC | | | | | |
|-----------------------------------|------|-----------|--------------------|------------|---------------|------------------------|-----------|--|
| DRAINAGE BASIN and/or SNOW COURSE | | | Date | Snow Depth | Water Content | Water Content (inches) | | |
| NAME | | Elevation | of Survey | (Inches) | (Inches) | Last Year | Average 6 | |
| | | | | | | | | |
| #Seventy-Six Creek | Nev. | 7100 | 3/5 | 18 | 4.3 | 12.2 | 10.0* | |
| Silver City | | 6400 | 2/28 | 16 | 3.5 | 13.2 | 13.8 | |
| South Mountain | | 6340 | 3/1 | 12 | 2.6 | 10.8 | 11.3 | |
| Succor Creek (A) | | 6100 | 3/4 | 12 | 2.4 | 5.9 | 5.4* | |
| Trangle (A) | | 5150 | 3/4 | 1 | 0.1 | 0.3 | 0.6 | |
| Vaught Ranch (A) | | 5950 | 3/4 | 1 | 0.1 | 3.6 | 3.3* | |
| War Eagle (A) | | 7700 | 3/4 | 36 | 5.4 | 19.3 | 22.1* | |

UPPER SNAKE RIVER BASIN

| | 01111 | C DIVING IN | TVER DITO | 211 | | | |
|--|--------------------------|--|--|--|---|--|--|
| CAMAS-BEAVER CREEKS | | | | | | | |
| Camp Creek Kilgore | | 6800 6200 | 2/28 2/28 | 10 15 | 1.5 3.0 | 6.9 9.1 | 9.0 10.1 |
| HENRYS FORK RIVER | | | | | | | |
| Big Springs Black Canyon Black Moose Grassy Lake Island Park Latham Springs Lucky Dog Sawtell Mountain Targhee Pass Valley View White Elephant | Wyo. | 6400 7850 8125 7265 6315 7630 6900 8720 7000 6500 7700 | 2/28 2/25 2/25 2/28 2/28 2/25 2/25 2/28 2/28 | 31 33 33 50 27 34 23 37 24 21 30 | 6.0 8.0 9.2 12.4 5.2 8.2 4.6 7.7 4.5 4.9 | 21.5 36.0 39.4 40.4 18.4 35.0 23.6 29.0 16.0 17.6 22.9 | 18.6 29.4* 36.2* 30.1 14.7 27.9* 21.6* 30.4* 13.5* 15.4 |
| Darby Canyon Freds Mountain Garns Mountain Indian Meadows Jackpine Creek McRenolds Reservoir Miles Creek Phillips Bench Pine Creek Pass State Line Teton Pass W.S. | Wyo. Wyo. Wyo. Wyo. Wyo. | 8250 8150 8300 8240 7350 6800 7300 8200 6750 6650 8400 | 2/28 2/28 2/28 2/28 2/28 2/28 2/28 2/25 2/28 2/28 | 35 39 39 45 29 29 23 39 24 19 31 | 5.8 6.8 8.8 9.9 6.0 6.0 4.8 9.5 4.4 2.6 6.9 | 26.2 28.7 44.8 41.7 27.0 23.3 15.3 28.6 21.7 18.1 27.8 | 15.4* 12.8 |
| MILLOW CREEK Aspen Grove Birch Creek Blue Ridge Bone Brockman Station Hell Creek Mud Creek Sheep Mountain Tex Creek | | 6600 6800 6800 6200 6430 7100 7150 6510 6700 | 2/23 2/23 2/23 2/23 2/23 2/23 2/23 2/23 | 16 10 12 6 9 15 10 17 | 3.0 2.1 2.8 1.2 1.9 3.0 2.2 2.8 2.0 | 13.5 11.7 17.2 8.1 11.0 15.5 12.7 14.9 | 10.3* 14.3* 7.5* 12.6* 8.5* |
| SAND CREEK | | | | | | | |
| Henry Creek | | 5650 | 2/23 | 0 | 0.0 | 5.1 | 2.4* |

| SNOW | | | THIS YEAR | | | ECORD | |
|--|------------------------------|------------------------------|----------------------|--------------------------|------------------------------|-------------------------------|--|
| DRAINAGE BASIN and/or SNOW COURSE | | Date | Snow Depth | Water Content | t Water Content (inches) | | |
| NAME . | Elevation | of Survey | (Inches) | (Inches) | Last Year | Average 6 | |
| BLACKFOOT RIVER | | | | | | | |
| Austin Bros. Ranch Slug Creek Divide Somsen Ranch Ten Mile Pass | 6400 7225 7000 6250 | 2/25 2/28 2/25 2/25 | 4 25 22 14 | 0.5 5.0 3.8 2.8 | 9.3 16.0 15.0 8.7 | 7.9 14.7* 12.0 | |
| PORTNEUF RIVER | | | | | | | |
| Dempsey Creek Lower Pebble Mink Creek Pebble Creek | 6280 5800 6300 6550 | 2/28 2/28 3/3 2/28 | 20 16 28 13 | 3.8 4.2 4.9 2.8 | 13.8 16.2 17.4 15.4 | 10.6 12.1* 15.0 14.5 | |

| S | SNOW | | | THIS YEAR | | PAST R | ECORD |
|-----------------------------------|------|-----------|------------|---------------|-------------|-------------|-----------|
| DRAINAGE BASIN and/or SNOW COURSE | | Date | Snow Depth | Water Content | Water Conte | nt (inches) | |
| | NAME | Elevation | of Survey | (inches) | (Inches) | Last Year | Average 6 |

| GREAT BASIN | | | | | | | | |
|---|--|--|--|---|--|--|--|--|
| BEAR RIVER | | | | | | | | |
| Emigrant Summit Emigration Canyon | 7350 6500 | 2/28 2/28 | 23 14 | 4.3 2.7 | 21.3 11.4 | 21.8* 9.7* | | |
| Montpelier Creek | | | | | | | | |
| Giveout Little Beaver Lower Home Canyon Montpelier Creek Upper Home Canyon Whiskey Flat | 6840 6970 7500 6570 8500 6985 | 2/28 2/28 3/1 2/28 3/1 2/28 | 19 20 20 9 30 10 | 3.1 3.2 3.6 1.2 6.4 2.0 | 12.2 14.7 8.1 8.0 | 11.0* 14.0* 7.5* 8.9* | | |
| Mink Creek | | | | | | | | |
| Christensen Ranch Dry Basin #Emigrant Summit Horseshoe Basin Liberty Spring Strawberry Creek Strawberry Mink Divide | 5600 7900 7350 8000 8600 5800 6800 | 2/28 2/28 2/28 2/28 2/28 2/28 2/28 | 18 33 23 31 40 10 23 | 3.4 6.7 4.3 6.9 7.0 2.1 3.9 | 11.9 25.1 21.3 21.8 33.0 11.6 19.8 | 7.7 25.3* 21.8* 23.2* 33.8* 9.6 18.6 | | |
| Cub River | | | | | | | | |
| Cub River R. S. #Franklin Basin Willow Flat Worm Creek | 5400 8000 6100 6660 | 2/28 2/28 2/28 2/28 | 18 35 19 21 | 4.5 7.0 4.8 3.9 | 12.3 20.5 17.2 17.3 | 8.0 13.7 | | |
| MALAD RIVER | | | | | | | | |
| Cliff Canyon Daniels Creek Dry Creek Flat Lower Elkhorn Oxford Mountain Upper Elkhorn | 7200 6400 6480 7000 6800 7100 | 2/28 2/28 2/28 2/28 2/28 2/28 2/28 | 7 6 7 10 13 19 | 1.2 0.8 1.1 1.8 1.0 3.4 | 8.0 7.7 10.4 12.9 11.5 17.7 | 6.6 12.4* 9.4 16.0* | | |



Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

States:

Idaho Department of Water Resources
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Montana Cooperative Snow Surveys
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

- U.S. Army Engineers
- U.S. Department of Agriculture Forest Service Agricultural Research Service Statistical Reporting Service
- U.S. Department of Commerce NOAA, National Weather Service
- U.S. Department of the Interior
 Bonneville Power Administration
 Bureau of Reclamation
 Fish and Wildlife Service
 Water Resources Division, Geological Survey
 National Park Service
 Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company Washington Water Power Company Idaho Power Company Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Blaine Soil Conservation District
Boise Project Board of Control
Idaho Water District #01
Little Wood River Irrigation District
Mann Creek Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control
Valley Soil Conservation District
Portneuf Soil and Water Conservation District

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COOPERATIVE SNOW SURVEYS

domestic and municipal water water supply for irrigation, supply, hydro-electric power necessary for forecasting generation, navigation, Furnishes the basic data mining and industry "The Conservation of Water begins with the Snow Survey"